



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

November 21, 1991

Mr. Lon Thomas
Thomas American Stone
4040 South 300 West
Salt Lake City, Utah 84107

Dear Mr. Thomas:

Re: Reclamation Plan for the Aragonite Mill and Mine Sites,
M/045/031, Tooele County, Utah

Please find enclosed a copy of the letter we sent to Steve Brooks of the Bureau of Land Management (BLM), and a copy of his follow-up response to that letter. Also, please find enclosed a copy of the reclamation plan for the mill and mine we discussed on October 7, 1991. Please sign and date the plan, if you are in agreement with the language, as indicated at the end of the document.

The seed mix you requested is at the end of the document. Steve Brooks of the BLM will seed all areas on BLM lands, so you will not be required to seed them. I believe this has already been done. You will need to seed those areas at the mine site on patented property.

We will be updating the Board of Oil, Gas and Mining on December 5, 1991 regarding the Aragonite site. We will make future arrangements with the Board, regarding your request to reduce the bond to \$6,000. This will probably require another formal hearing where you will be asked to state your case. The BLM supports your request, so this will be an asset in your petition to the Board of Oil, Gas and Mining.

Please call if you have questions.

Sincerely,

Holland Shepherd
Senior Reclamation Specialist

jb

Enclosures

cc: Steve Brooks, BLM, Pony Express RA

Wayne Hedberg, DOGM

M045031.1

**Thomas American Stone
Aragonite Mine and Mill
M/045/031**

**RECLAMATION PLAN
MILL AREA**

- 1 The trailer will remain until closure of the mill; at that time it will be removed. The area will be scarified and reseeded with the BLM and DOGM approved seed mix. Topsoil will be added where necessary.
- 2 The trailer will remain until closure of the mill, at that time it will be removed. The area will be scarified and reseeded with the BLM and DOGM approved seed mix. Topsoil will be added where necessary.
- 3 Boulders in this area will be gradually reduced over a four-year period. Any remaining will either be recontoured or moved to area 5. The area will be scarified and reseeded with the DOGM and BLM approved seed mix. Topsoil will be added where necessary.
- 4 The Quonset hut will be used until mill closure, then torn down leaving the foundation. The foundation will be broken up (if possible) and covered with available soil material.
- 5 The active 5-acre mill area will be used until closure of the mine, then the remaining area will be recontoured, leaving no greater than 2 to 1 slopes. The buildings will be removed, leaving only the foundations. All ground will be scarified and reseeded with a BLM and state DOGM approved seed mix. All foundations, other than the mill foundation, will be broken up (if possible) and covered with available soil material and seeded.
- 6 Dirt stockpile will be moved to cover #10 waste dump.
- 7 The mill building will be used until closure of the mine, and then torn down to the foundation. The foundation will be broken up and covered with a minimum of 2 feet of soil material then reseeded, or the operator will obtain variance for an alternate post mine use.
- 8 Generator will be used until mine closure and then removed.
- 9 Fine waste material will be recontoured and seeded with a BLM and DOGM approved seed mix before November 30, 1991.
- 10 Waste dump to be cleaned up in accordance with the Board Order. All exposed tires and scrap metal will be removed to a licensed landfill. Dump cleanup will be completed by June 30, 1992.

- 11 Spare parts will be consolidated and moved into the active 5-acre mill site area (see #5 on map) by October 31, 1991.
- 12 Ore stockpiles outside of area 5 will be reduced over a four-year period then the remaining will be moved or reclaimed by May 1, 1995. The newly cleared area will be regraded, scarified and reseeded by the end of the four-year period.
- 13 Ore stockpile will be moved into the active 5-acre mill area (see #5 on map) by May 1, 1995.
- 14 Boulder pile will be recontoured by October 31, 1991.

RECLAMATION PLAN ARAGONITE MINE AREA

- 1 This is an old disturbed mine area. This area will be recontoured and reseeded in exchange for area #5 by November 30, 1991.
- 2 American Stone used half of this area in 1978. It will be recontoured then scarified and reseeded. The reclamation of this area will be completed by November 30, 1991.
- 3 Active Mine 5-Acre Mine Area. Work will proceed mostly on the south end for 1991-1993. When the mine is closed, a fence will be constructed around the highwalls and clearly marked. The mine dumps will be sloped to 2:1 or conform to the approximate original contour, then scarified and seeded with a BLM and DOGM approved seed mix. The dump areas have a high content of dirt and support vegetation quite well.
- 4 1982 Dump Area. Some of this dirt will be taken to other areas, and used for a seed base. The area will then be recontoured, scarified and seeded. This is to be completed by November 30, 1991.
- 5 1988 Area. Most of the dirt has been stripped to make future mining possible. However, there is enough to support some vegetation. The scalped hillsides will be seeded by November 30, 1991, with an approved mix, but no recontouring or dirt spreading will be done, at this time, on the quarry portion of the area. At closure, the area will be recontoured to a reasonable slope, soil material applied and then seeded.

- 6 1987 Area. Disturbance by someone other than American Stone. American Stone has agreed with the BLM to spread some dirt on it and the BLM would supply the seed. This will be done by November 30, 1991.
- 7 Area along road will be smoothed down, scarified, and reseeded by November 30, 1991.
- 8 This area will be regraded to 2:1 slopes, covered with available fines then reseeded.
- 9 This area will be regraded to 2:1 slopes, covered with available fines then reseeded.
- 10 Old area, nothing will be done.

Agreed to this _____ day of _____, 1991.

Lon Thomas, Owner
Thomas American Stone

jb
M045031.3

The operator must sign a copy of this plan. However, the plan will be accepted as complete as of October 7, 1991, based on discussions with the operator (see letter dated 1-10-92).

[Handwritten signature]